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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,473	11/07/2003	Sung Joon Park	4485/GLD/002	6739

7590 05/13/2005

Mr. Eric Chan  
42 Pin Oaks Drive  
Phoenixville, PA 19460

EXAMINER
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HOGE, GARY CHAPMAN

ART UNIT	PAPER NUMBER
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3611

DATE MAILED: 05/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/706,473	<b>Applicant(s)</b> PARK, SUNG JOON	
	<b>Examiner</b> Gary C Hoge	<b>Art Unit</b> 3611	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 November 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. ____.  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____.   | 6) <input type="checkbox"/> Other: ____.                                    |

## **DETAILED ACTION**

### ***Drawings***

1. Figures 1-3 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Specification***

2. The disclosure is objected to because of the following informalities: On page 10, line 2, it appears that "28" should be changed to --28'--;

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. The claims are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors. The following are a suggested corrections that would bring the claims into compliance with 35 U.S.C. 112:

In claim 1, line 3, "the three sides on each of which" should be deleted, "is" should be deleted, and --on each of the three sides thereof-- should be inserted after "displaying".

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In claim 1, line 8, --a-- should be inserted before “disc-shaped”.

In claim 1, line 11, “disc type” should be changed to --disc-shaped--.

In claim 4, line 6, “the” should be deleted.

In claim 4, line 7, “the” should be deleted.

In claim 4, line 8, “the” should be deleted.

In claim 4, line 10, “the” should be changed to --a--.

In claim 4, line 12, “gear” should be changed to --gears--.

In claim 4, line 14, “gear” should be changed to --gears--.

In claim 5, line 1, “claim 1” should be changed to --claim 4--.

In claim 5, line 2, “is fixed with” should be changed to --has a turning gear shaft extending upwardly from a central portion thereof,-- and --is mounted-- should be added after “member”.

In claim 5, line 3, “the” (first occurrence) should be changed to --a-- and “the shaft thereof” should be changed to --each of said turning gear shafts--.

In claim 5, line 4, “the” (first occurrence) should be changed to --a-- and “the” (second occurrence) should be deleted.

In claim 5, line 5, “the” (first occurrence) should be deleted and “the” (second occurrence) should be changed to --a--.

In claim 5, line 7, “is fixed with” should be changed to --has a turning gear shaft extending upwardly from a central portion thereof,--.

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In claim 5, line 8, --is mounted-- should be inserted after “member”, “the” (first occurrence) should be changed to --a--, and “the shaft thereof” should be changed to --each of said turning gear shafts--.

In claim 5, line 9, “the” (first occurrence) should be changed to --a-- and “the” (second occurrence) should be deleted.

In claim 5, line 10, “the” (first occurrence) should be deleted and “the” (second occurrence) should be changed to --a--.

#### ***Allowable Subject Matter***

5. The following is a statement of reasons for the indication of allowable subject matter:

The prior art does not disclose or suggest a trigonal prism turning device having six trigonal prisms arranged in the shape of a triangle and including upper and lower turning discs supported by a shaft, driving means mounted under the lower turning disc, a disc-shaped device supporting means mounted under the driving means and fixed to the inner surface of a cylindrical housing; and a motor disposed beneath the disc-shaped device supporting means.

#### ***Conclusion***


6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gary C Hoge whose telephone number is (571) 272-6645. The examiner can normally be reached on 5-4-9.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lesley Morris can be reached on (703) 308-0629. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Gary C Hoge  
Primary Examiner  
Art Unit 3611

gch